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(54) Title: DIAGNOSTIC AND THERAPEUTIC MEANS FOR KIDNEY STONE RELATED PATHOLOGIES

(57) Abstract: A description is given of a nucleic acid comprising at least one fragment of the human gene ZNF365 or functional portions thereof for use in the diagnosis or treatment of pathologies associated with kidney stones. Appropriate diagnostic kits are also described.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 07/0627

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, MEDLINE, EMBASE, EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| P,X | <p>GIANFRANCESCO FERNANDO ET AL: "Identification of a novel gene and a common variant associated with uric acid nephrolithiasis in a sardinian genetic isolate." AMERICAN JOURNAL OF HUMAN GENETICS, vol. 72, no. 6, June 2003 (2003-06), pages 1479-1491, XP001179678 ISSN: 0002-9297 the whole document</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/-</p> | 1-10 |

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 0000627

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| P,X | <p>GIANFRANCESCO F. ET AL.: "Studio funzionale della Talassina associata alla calcolosi renale da acido urico attraverso genomica comparativa e sua localizzazione cellulare". Poster, VI Congresso SIGU, Verona 24-27 Settembre 2003"</p> <p>'Online! 2003, XP002271865</p> <p>Retrieved from the Internet: <URL:http://sigu.univr.it/sigu/congresso_2003/abstract/node232.html></p> <p>'retrieved on 2004-04-14!</p> <p>abstract</p> | 1-10 |
| X | <p>OMBRA MARIA NEVE ET AL: "Identification of a new candidate locus for uric acid nephrolithiasis"</p> <p>AMERICAN JOURNAL OF HUMAN GENETICS, vol. 68, no. 5, May 2001 (2001-05), pages 1119-1129, XP001179677</p> <p>ISSN: 0002-9297</p> <p>cited in the application</p> <p>the whole document</p> | 1-10 |
| X | <p>DATABASE GENBANK 'Online!</p> <p>1 October 2001 (2001-10-01)</p> <p>STRAUSBERG ROBERT: "EST 603040095F1, dbEST Id 9641318"</p> <p>retrieved from NCBI</p> <p>Database accession no. BI822044</p> <p>XP002271869</p> <p>cited in the application</p> <p>abstract</p> | 1 |
| X | <p>DATABASE GENBANK 'Online!</p> <p>2 December 1998 (1998-12-02)</p> <p>OHARA O. ET AL.: "Homo sapiens mRNA for KIAA0844 protein, partials cds"</p> <p>retrieved from NCBI</p> <p>Database accession no. AB020651</p> <p>XP002271870</p> <p>cited in the application</p> <p>abstract</p> | 1 |
| X | <p>DATABASE GENBANK 'Online!</p> <p>2 December 1998 (1998-12-02)</p> <p>OHARA O. ET AL.: "KIAA0844 protein (Homo sapiens)"</p> <p>retrieved from NCBI</p> <p>Database accession no. BAA74867</p> <p>XP002271871</p> <p>cited in the application</p> <p>residues 1 to 438</p> <p>abstract</p> | 9 |

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | <p>NAGASE T ET AL: "PREDICTION OF THE CODING SEQUENCES OF UNIDENTIFIED HUMAN GENES XII THE COMPLETE SEQUENCES OF 100 NEW CDNA CLONES FROM BRAIN WHICH CODE FOR LARGE PROTEINS IN VITRO"</p> <p>DNA RESEARCH, UNIVERSAL ACADEMY PRESS, JP, vol. 5, no. 6, 31 December 1998 (1998-12-31), pages 355-364, XP000973120</p> <p>ISSN: 1340-2838</p> <p>cited in the application</p> <p>tables 1,2</p> <p>figure 3</p> | 1-10 |
| A | <p>LAITY JOHN H ET AL: "Zinc finger proteins: New insights into structural and functional diversity"</p> <p>CURRENT OPINION IN STRUCTURAL BIOLOGY, vol. 11, no. 1, February 2001 (2001-02), pages 39-46, XP001179825</p> <p>ISSN: 0959-440X</p> <p>cited in the application</p> <p>the whole document</p> | 1-10 |